

RECEIVED  
CENTRAL FAX CENTER

NOV 12 2010

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Childs, M. J. CONFIRMATION NO.: 3722  
SERIAL NO.: 10/523, 381 EXAMINER: McCommas, S. S.  
FILED: November 21, 2005 ART UNIT: 2629  
ATTN DOCKET NO.: GB020125US1  
FOR: *ELECTROLUMINESCENT DISPLAY DEVICE TO DISPLAY LOW  
BRIGHTNESS UNIFORMLY*

Mail Stop Appeal Brief  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE OF NON-COMPLIANT APPEAL BRIEF**

Dear Sir:

In response to the Notice of Non-Compliant Appeal Brief dated October 14, 2010, the Applicant hereby submits this paper within one (1) month (until **November 14, 2010**) of the mailing date of the Notice, and requests amendment of the Appeal Brief filed in the above-identified application as follows wherein:

**Section V. Summary of Claimed Subject Matter**

is provided to include references to the specification by page and line number.

NOV 12 2010  
GB020125US1

Non-Compliant Appeal Brief  
Appl. no. 10/523, 381  
Inventor: Childs, M. J.

**REMARKS**

Pursuant to the instructions provided in the Notice of Non-Complaint Appeal Brief, section 4, applicant submits a Revised Appeal Brief including only Section V. Summary of the Claimed Subject Matter.

Applicant respectfully requests that the amendment to the Appeal Brief be entered into the record.

No fees are believed necessary for the timely filing of this paper.

Respectfully submitted,  
Michael E. Belk, Reg. No. 33357

Date: November 11, 2010

/Carl A. Giordano/  
By: Carl A. Giordano  
Attorney for Applicant  
Registration No. 41,780

**Mail all correspondence to:**  
Michael E. Belk, Esq.  
US PHILIPS CORPORATION  
P.O. Box 3001  
Briarcliff Manor, NY 10510-8001  
Phone: (914) 333-9643  
Fax: (914) 332-0615

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being:  
[ ] Transmitted electronic by the currently available EFS system;  
[ XXX ] Transmitted by facsimile to 571 273 8300;  
[ ] Placed with the US Postal Service with First Class postage attached to the address indicated above;  
on November 11, 2010.

\_\_\_\_\_  
Carl Giordano  
Print Name

\_\_\_\_\_  
/Carl Giordano/  
Signature

p.4  
**RECEIVED**  
**CENTRAL FAX CENTER**  
**NOV 12 2010**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****Before the Board of Patent Appeals and Interferences****In re the Application**

**Inventor** : **Childs, M. J.**  
**Application No.** : **10/523,381**  
**Filed** : **November 21, 2005**  
**For** : **ELECTROLUMINESCENT DISPLAY DEVICE TO  
DISPLAY LOW BRIGHTNESS UNIFORMLY**

**REVISED APPEAL BRIEF****On Appeal from Group Art Unit 2629****Michael E. Belk****Date:** **November 11, 2010**

**/Carl A. Giordano/**  
**By: Carl A. Giordano**  
**Attorney for Appellant**  
**Registration No. 41,780**  
**ATTN DOCKET NO.: GB020125US1**

**Certificate of Mailing Under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to MAIL STOP APPEAL BRIEF-PATENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA. 22313 on November 11, 2010.

Carl Giordano  
(Print Name.)

Carl Giordano  
(Signature and Date)

APPEAL  
Serial No.: 10/523,381

**TABLE OF CONTENTS**

	<b><u>Page</u></b>
<b>V. SUMMARY OF CLAIMED SUBJECT MATTER.....</b>	<b>3</b>
<b>VIII. CONCLUSION .....</b>	<b>5</b>

APPEAL  
Serial No.: 10/523,381

## V. SUMMARY OF CLAIMED SUBJECT MATTER

The present invention is expressed primarily in independent claims 1, 7, and 8 which represent an electroluminescent (EL) device, a portable device including the EL device of claim 1 and a method for driving an electroluminescent device.

Independent claim 1 recites a display device comprising an array of display pixels (1, Figure 1, page 5, lines 18-20), each display pixel (1) comprising an EL display element (2, page 5, line 21, page 6, line 14) and a current source circuit (16, see Figure 2, page 6, line 14-15) for driving a current through the EL display element (2) in dependence on a data voltage, the display device (1) being operable in at least a first and a second phase (30, 32, page 7, lines 9-10) within each frame period (see Fig. 3), the first phase (30) having a first duration (page 7, lines 18-19) and during which a first one of a first plurality of drive currents (31, page 7, lines 18-19) can be driven through the EL display element, and the second phase (32) having a second duration, different to the first duration (30, page 7, lined 22-23), and during which a second one of a second plurality of drive currents (33, page 7, lines 22-28) can be driven through the EL display element, wherein the first (31) and second (33) ones of the respective pluralities of drive currents are independently selectable (page 7, lines 26-27) and at least one of the first (31) and second (33) pluralities of drive currents include more than two drive current levels, and wherein the first plurality of drive currents (31) comprises a number  $n$  of drive current levels, including a zero drive level, (page 8, lines 1-3, lines 9-12, Figure 5) and wherein a duration of one phase is approximately  $n$  times a duration of the other phase (page 8, lined 11-12), wherein during said first phase (30) each of the pixel display elements is sequential driven for said first duration with a corresponding one of said first plurality of drive currents (31) (page 8, lines 1-3, lines 4-8, Figure 5, Figure 6) and during said second phase (32) each of the pixel display elements is sequential driven for said

APPEAL  
Serial No.: 10/523,381

second duration with a corresponding one of said second plurality of drive currents(33) associated with said second phase (page 8, lines 1-3, lines 4-8).

Independent claim 7, as shown in Figure 9, recites a portable device (40) including the EL device of claim 1 (42) (page 8, lines 24-25).

Independent claim 8 recites a method of driving an electroluminescent (EL) display device comprising an array of display pixels(1, Figure 1, page 5, lines 18-20), each display pixel comprising an EL display element(2, page 5, line 21, page 6, line 14) and a current source circuit (16, see Figure 2, page 6, line 14-15) for driving a current through the EL display voltage in dependence on a data voltage, the method comprising the acts of: in a first phase (30, Figure 3, page 7, lines 9-10) having a first duration (page 7, lines 18-19), sequentially driving each of said display pixels with a corresponding one of a first plurality of drive currents (31, page 7, lines 18-19) for said first duration; (see , Figures 3-8) and in a second phase (32, page 7, lined 22-23) having a second duration, different to the first duration, sequentially driving each of said display pixels (2) with a corresponding one of a second plurality of drive currents (33, page 7, lines 22-28) for said second duration, wherein the first (31) and second (33) ones of the plurality of drive currents are selected to provide a desired combined EL display element output (page 7, lines 26-27), and at least one of the first and second pluralities of drive currents includes more than two drive current levels, and wherein the plurality of drive currents comprises a number  $n$  of drive levels, (page 8, lines 1-3, lines 9-12, Figure 5) and wherein a duration of one phase (30,32) is approximately  $n$  times a duration of the other phase (32, 30) (page 8, lined 11-12).

The remaining claims, which depend from respective independent claims, express further aspects of the invention.

1 845 268 0314  
RECEIVED  
CENTRAL FAX CENTER

NOV 12 2010

APPEAL  
Serial No.: 10/523,381**VIII. CONCLUSION**

In view of the above analysis, it is respectfully submitted that the referenced teachings, whether taken individually or in combination, fail to render obvious the subject matter of any of the present claims. Therefore, reversal of all outstanding grounds of rejection is respectfully solicited.

Respectfully submitted,

/Carl A. Giordano

Date: November 11, 2010

By: Carl A. Giordano  
Attorney for Appellant  
Registration No. 41,780